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(21) International Application Number: PCT/IB99/00065 (22) International Filing Date: 6 January 1999 (06.01.99) (30) Priority Data: 98300097.7 8 January 1998 (08.01.98) EP (71) Applicant (for all designated States except US): EVC TECHNOLOGY AG [CH/CH]; Baarerstrasse 2, CH-6300 Zug (CH). (72) Inventors; and (75) Inventors/Applicants (for US only): CARMELLO, Diego [IT/IT]; Via Montecivetta, 8, I-31021 Mogliano Veneto (IT). GARILLI, Marco [IT/IT]; Via Buozzi, 14, I-33170 Pordenone (IT). FATUTTO, Pierluigi [IT/IT]; Riviera Marco Polo, 47, I-30171 Mestre (IT). CACCIALUPI, Letizia [IT/IT]; Localita Caggiolo, 174, I-52010 Subbiano (IT). (74) Agent: VOTIER, Sidney, David; Carpmals & Ransford, 43 Bloomsbury Square, London WC1A 2RA (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: CATALYST, PROCESS FOR ITS PREPARATION, AND ITS USE IN THE SYNTHESIS OF 1,2-DICHLOROETHANE		
(57) Abstract <p>A catalyst for the oxychlorination of ethylene to 1,2-dichloroethane is prepared by impregnating a γ-alumina support with a magnesium salt, drying the product, and impregnating the product with a copper salt, preferably together with a lithium salt. The catalyst preferably contains 0.1 to 5 % magnesium, 2 to 10 % copper and 0 to 5 % lithium, by weight, and is particularly effective in oxygen-based processes.</p>		